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Mallinckrodt Inc.

<120> Carbocyanine Dyes For Tandem, Photodiagnostic
and Therapeutic Applications

<130> MRD-74

<140> US/09/981,206

<141> 2001-10-17

<160> 8

<170> PatentIn Version 3.1

<210> 1

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<221> MOD_RES

<222> (1)...(8)

<223> Xaa at location 1 represents D-Phe. Artificial sequence is
completely synthesized.

<223> Xaa at locations 2 and 7 represents Cys with an
intramolecular disulfide bond between two Cys
amino acids. Artificial sequence is completely synthesized.

<223> Xaa at location 4 represents D-Trp. Artificial sequence is
completely synthesized.

<400> 1
Xaa Xaa Tyr Xaa Lys Thr Xaa Thr
1 5

<210> 2

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<221> MOD_RES

<222> (1)...(8)

<223> Xaa at location 1 represents D-Phe. Artificial sequence is
completely synthesized.

<223> Xaa at locations 2 and 7 represents Cys with an
intramolecular disulfide bond between two Cys
amino acids. Artificial sequence is completely synthesized.

<223> Xaa at location 4 represents D-Trp. Artificial sequence is
completely synthesized.

<223> Xaa at location 8 represents Thr-OH. Artificial sequence is
completely synthesized.

<400> 2
Xaa Xaa Tyr Xaa Lys Thr Xaa Xaa
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<210>	3
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<212>	PRT
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<223>	Bombesin analog
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Gly Asp Gly Gln Trp Ala Val Gly His Leu Met	
1 5 10	

<210>	5
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<212>	PRT
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<223>	Cholecystokinin octapeptide analogs
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<210>	6
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<212>	PRT
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<223>	Xaa at locations 3 and 6 represents Norleucine. Artificial sequence is completely synthesized.
<400>	6
Asp Tyr Xaa Gly Trp Xaa Asp Phe	
1 5	

<210> 7
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<223> Xaa at location 1 represents D-Asp. Artificial sequence is completely synthesized.
<223> Xaa at locations 3 and 6 represents Norleucine. Artificial sequence is completely synthesized.

<400> 7
Xaa Tyr Xaa Gly Trp Xaa Asp Phe
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<210> 8
<211> 8
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<222> (1)...(8)
<223> Xaa at location 1 represents D-Lys. Artificial sequence is completely synthesized.

<400> 8
Xaa Pro Arg Arg Pro Tyr Ile Leu
1 5